



Sustainable Infrastructure



**Presentation for
Indiana Finance Authority
Sustainability Workshop
June 5, 2008**



SRF Sustainable Design Incentive Checklist

subject to approval by IFA Board



50 Total Points

- A. Energy Reduction/Alternative Source
(13 Points)
- B. Wetland, Water Reuse and Reduction
(15 Points)
- C. Site and Material Reuse (17 Points)
- D. Detailed life cycle costs fully utilized
in the alternative selection process
(5 Points)



A. Energy Reduction/ Alternative Source Items

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13 Subtotal Points

1. Design reduces the future carbon footprint (5 points)
2. Site planning incorporates elements such as building orientation and green roofs into design (3 points)
3. Design includes an energy reduction plan with at least a 20% reduction goal (3 points)
4. Project utilizes a SCADA system (1 point)
5. Clean fuel construction vehicles for 50% of the work (1 point)



B. Wetland, Water Reuse and Reduction Items

subject to approval by IFA Board



15 Subtotal Points

1. Project creates, restores or expands a wetland (1-3 points)
2. Storm water capture/rain harvesting utilization for water reuse onsite (2 points) and/or within collection system (3 points)
3. Project includes long term clear water reduction components (4 points)
4. Treatment facility incorporates water conservation (3 points)



C. Site and Material Reuse Items

subject to approval by IFA Board



17 Subtotal Points

1. Site selection gives high priority to previously disturbed areas for any new storage, pumping station or treatment plant (2 points); use of a brownfield site (adds 2 points)
2. Design takes into account the deconstruction of the new, above-ground facilities (2 points)
3. Offsite beneficial reuse of either the treated wastewater or biosolids (2 points); new treatment process that significantly reduces residuals disposal (2 additional points)



C. Site and Material Reuse Items

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17 Subtotal Points

(continued)

4. Project uses recycled materials in construction (2 points)
5. Specifications include an incentive clause for construction waste reduction, cut/fill earth work balance (2 points)
6. Low impact construction technology used to minimize impact to existing surface (3 points)



D. Detailed life cycle cost

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5 Subtotal Points

1. Project selection is based on detailed life cycle cost analysis
2. A life cycle cost analysis calculates the cost of a project over its entire life span and includes up-front capital costs (planning, design and construction), annual operation and maintenance costs, replacement costs, and salvage value as well as annual project revenues.



SRF Incentives to Promote Sustainable Infrastructure

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1. Additional points on project ranking and scoring systems to promote sustainable practices in water and wastewater infrastructure projects
 2. Interest rate subsidy to promote sustainable practices



Contact



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